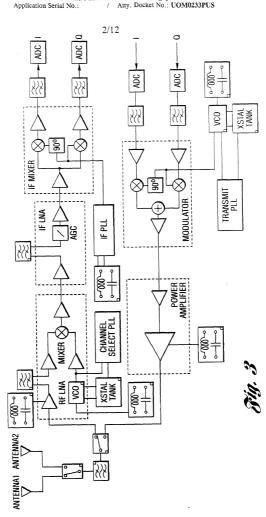
Application Serial No.: / Atty. Docket No.: UOM0233PUS 1/12 ANTENNA LNA MIXER LNA MIXER BASEBAND ELECTRONICS VCO VCO XSTAL TRANSISTOR IF FILTER ELECTRONICS OSC (XSTAL) RF FILTER IF FILTER (CERAMIC) (SAW) **Fig. 1** (PRIOR ART) SAW RESONATOR QUARTZ INTERDIGITAL SUBSTRATE TRANSDUCER 26 -SILICON Fig. 2a (PRIOR ART) ELECTRODE =

Fig. 26 (PRIOR ART)

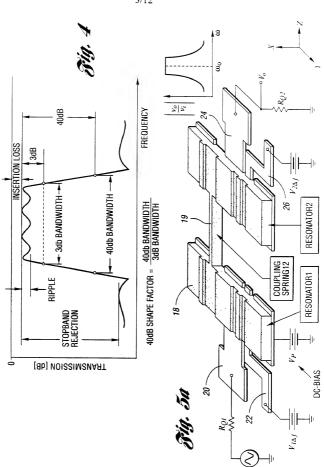
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Application Serial No.:

/ Atty. Docket No.: UOM0233PUS

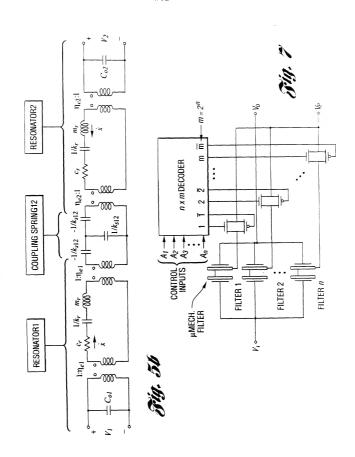
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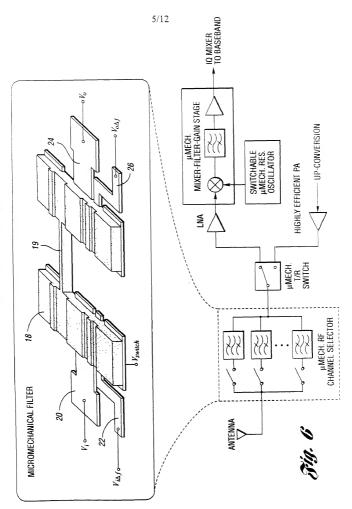
Application Serial No.:

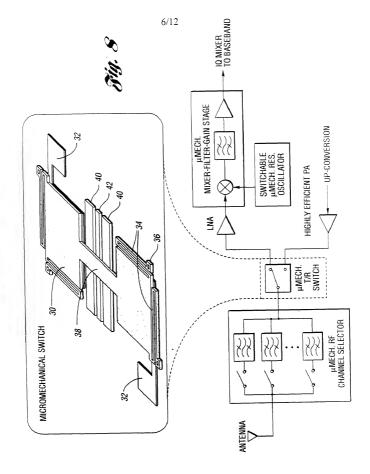
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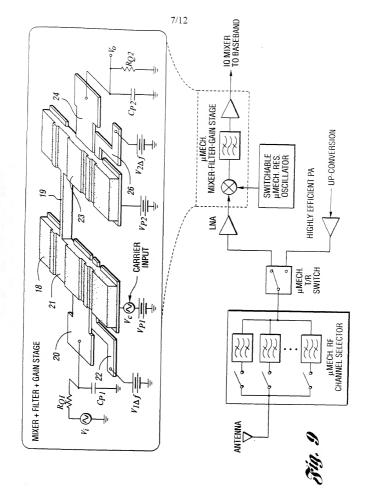
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Application Serial No.: / Atty. Docket No.: UOM0233PUS



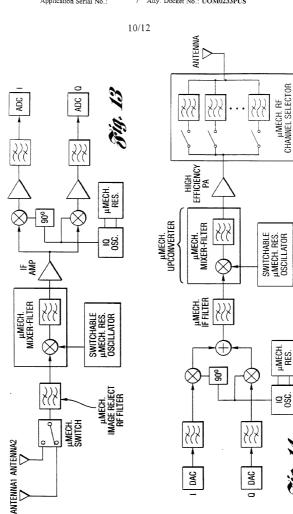


Title: Method and Apparatus For Filtering Signals Utilizing A Vibrating Micromechanical Resonator First Named Inventor: Clark T.-C. Nguyen
Application Serial No.: / Atty. Docket No.: UOM0233PUS



8/12 IQ MIXER TO BASEBAND μMECH. MIXER-FILTER-GAIN STAGE - UP-CONVERSION SWITCHABLE MMECH. RES. OSCILLATOR HIGHLY EFFICIENT PA ΓNΑ MICROMECHANICAL RESONATOR OSCILLATOR µMECH. T/R SWITCH µMECH. RF CHANNEL SELECTOR 亡! ANTENNA

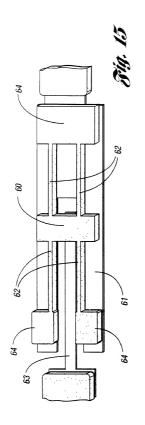
IQ MIXER TO BASEBAND 9/12 MIXER-FILTER-GAIN STAGE - UP-CONVERSION SWITCHABLE MECH. RES. OSCILLATOR HIGHLY EFFICIENT PA ΓNΑ $\vec{\theta}_3$ Вз µMECH. T/R SWITCH n x m DECODER : $B_2 \overline{B_2}$ 49 8, μMECH. RF CHANNEL SELECTOR **B**1 An 4 4 4 7 CONTROL 2 51

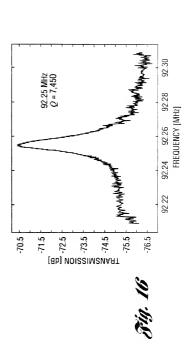


OSCILLATOR

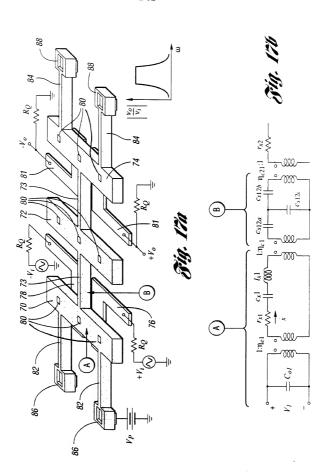
Application Serial No.:

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